

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Currently Amended) A method comprising:

determining based at least in part on content of a locator of a first information page requested to be retrieved and displayed on a client system, whether to provide information browsing assistance for the first information page, ~~amplifying information of the first information page, said content of the locator identifying the first information page and a location from which the first information page is to be retrieved, said determining comprising including~~ analyzing the content of the locator of the first information page to determine whether the locator satisfies a locator based condition abstracting a plurality of locators of a plurality of locations having ~~additional~~ information that amplifies ~~the~~ information of the first information page; and

conditionally providing said information browsing assistance based at least in part on ~~said determination, the information browsing assistance including all or a portion of the additional information.~~

2. (Previously Presented) The method of claim 1, wherein said locator comprises a uniform resource locator (URL).

3. (Canceled)

4. (Previously Presented) The method of claim 1, wherein said locator comprises a uniform resource locator (URL);
said locator based condition is a URL based condition for providing information browsing assistance, and said determining comprises analyzing whether said URL satisfies the URL based condition.

5. (Previously Presented) The method of claim 4, wherein
said URL based condition comprises a URL pattern abstracting a plurality of URLs of
the plurality of locations having information that amplifies the information of the first
information page; and
said analysis comprises matching said URL against a plurality of URL patterns.
6. (Original) The method of claim 5, wherein
each URL pattern comprises a plurality of portions correspondingly stored in a
plurality of nodes of a tree data structure, with the plurality of nodes having a child leaf node
specifying information browsing assistance to be provided; and
said matching comprises traversing said tree data structure.
7. (Currently Amended) The method of claim 6, ~~wherein the method further comprises~~
~~comprising~~ downloading said tree data structure from a server system onto said client system.
8. (Currently Amended) The method of claim 5, ~~wherein the method further comprises~~
~~comprising~~ downloading said URL patterns and their corresponding information browsing
assistance specifications from a server system onto said client system.
9. (Currently Amended) The method of claim 4, ~~wherein the method further comprises~~
~~comprising~~ downloading said URL based conditions and their corresponding information
browsing assistance specifications from a server system onto said client system.
10. (Original) The method of claim 1, wherein said information browsing assistance
comprises displaying a second information page.
11. (Original) The method of claim 10, wherein said second information page effectively
replaces said first information page.

12. (Original) The method of claim 10, wherein said second information page is additionally displayed complementing said first information page.

13. (Currently Amended) The method of claim 10, wherein said second information page comprises a plurality of locators identifying a plurality of information pages and corresponding locations from which the identified information pages of said second information page are to be retrieved the abstracted locators and/or the additional information.

14. (Previously Presented) The method of claim 1, wherein said information browsing assistance comprises modifying one or more environment attributes of the browsing environment within which said determining and conditional provision of information browsing assistance are performed.

15. (Previously Presented) The method of claim 14, wherein said one or more environment attributes comprise one or more of a display resolution attribute, a color resolution attribute, a font selection attribute, a media player preference attribute, an add-on selection attribute, and a plug-in selection attribute.

16. (Currently Amended) The method of claim 1, wherein the method further comprises comprising receiving a request to retrieve and display said first information page, said request including said locator.

17. (Currently Amended) The method of claim 16, wherein the method further comprises comprising:

in response to said receive of a requesting, notifying a monitor function of a browser helper of said receipt receiving; and

said monitor function, in response to receipt of said notification, notifying an analyzer function of said browser helper, which performs said determining and conditional provision of information browsing assistance.

18. (Currently Amended) The method of claim 17, wherein the method further comprises comprising executing said monitor function as an extension of a browser, and executing said analyzer function external to said browser.

19. (Currently Amended) An apparatus comprising:
storage medium having stored therein executable instructions designed to enable the apparatus to:

determine, based at least in part on content of a locator of a first information page requested to be retrieved and displayed, whether to provide information browsing assistance for the first information page amplifying information of the first information page, including to analyze the content of the locator of the first information page to ascertain whether the locator satisfies a locator based condition abstracting a plurality of locators of a plurality of locations having additional information that amplifies the information of the first information page;
-----said content of the locator identifying the first information page and a location from which the first information page is to be retrieved;
-and

conditionally provide said information browsing assistance based at least in part on said determination, the information browsing assistance including all or a portion of the additional information; and
at least one processor coupled to the storage medium to execute the executable instructions.

20. (Original) The apparatus of claim 19, wherein said locator comprises a uniform resource locator (URL).

21. (Canceled)

22. (Previously Presented) The apparatus of claim 19, wherein
said locator comprises a uniform resource locator (URL); and

said locator based condition is a URL based condition and said executable instructions designed to enable the apparatus to determine whether to provide information browsing assistances comprise instructions designed to enable the apparatus to analyze whether said URL satisfies a URL based condition for providing information browsing assistance.

23. (Previously Presented) The apparatus of claim 22, wherein
 said URL based condition comprises a URL pattern abstracting a plurality of URLs of the plurality of locations having information that amplifies the information of the first information page; and

 said executable instructions designed to enable the apparatus to analyze whether said URL satisfies a URL based condition for providing information browsing assistance comprise instructions designed to enable the apparatus to match said URL against a plurality of URL patterns.

24. (Previously Presented) The apparatus of claim 23, wherein
 each URL pattern comprises a plurality of portions correspondingly stored in a plurality of nodes of a tree data structure, with the plurality of nodes having a child leaf node specifying information browsing assistance to be provided; and
 said executable instructions designed to enable the apparatus to match said URL against a plurality of URL patterns comprise instructions designed to enable the apparatus to traverse said tree data structure.

25. (Previously Presented) The apparatus of claim 19, wherein said executable instructions designed to enable the apparatus to provide said information browsing assistance include instructions designed to enable the apparatus to display a second information page.

26. (Previously Presented) The apparatus of claim 25, wherein said executable instructions designed to enable the apparatus to display said second information page include

instructions designed to enable the apparatus to display said second information page in a manner that effectively replaces said first information page.

27. (Previously Presented) The apparatus of claim 25, wherein said executable instructions designed to enable the apparatus to display said second information page include instructions designed to enable the apparatus to display said second information page complementary to said first information page.

28. (Currently Amended) The apparatus of claim 25, wherein said second information page comprises ~~the abstracted locators and/or the additional information-a-plurality-of-locators identifying a plurality of information pages and corresponding locations from which the identified information pages of said second information page are to be retrieved.~~

29. (Previously Presented) The apparatus of claim 19, wherein said executable instructions designed to enable the apparatus to provide said information browsing assistance include instructions designed to enable the apparatus to modify one or more environment attributes of a browsing environment within which said executable instructions designed to determine whether to provide information browsing assistance and conditionally provide said information browsing assistance are performed.

30. (Previously Presented) The apparatus of claim 29, wherein said one or more environment attributes comprise one or more of a display resolution attribute, a color resolution attribute, a font selection attribute, a media player preference attribute, an add-on selection attribute, and a plug-in selection attribute.

31. (Original) The apparatus of claim 19, wherein said executable instructions are further designed to enable the apparatus to receive a request to retrieve and display said first information page, said request including said locator.

32. (Previously Presented) The apparatus of claim 31, wherein said executable instructions are designed to implement a browser helper including at least a monitor function and an analyzer function, with the monitor function of the browser helper being designed to receive a notification of said receipt, and in response, notifying said analyzer function of receipt of said notification, said executable instructions designed to enable the apparatus to implement an analyzer function includes the instructions designed to enable the apparatus to determine whether to provide information browsing assistance and the instructions designed to enable the apparatus to conditionally provide information browsing assistance .

33. (Previously Presented) The apparatus of claim 32, wherein said executable instructions are designed to enable the apparatus to implement said monitor function as an extension of a browser, and wherein said analyzer function as an external function to said browser.

34. (Original) The apparatus of claim 33, wherein the apparatus is a selected one of a wireless telephone, a palm sized personal digital assistant, a notebook computer, a desktop computer, and a set top box.

35. (Currently Amended) A method comprising:

receiving a request from a client system for executable instructions designed to enable the client system to conditionally provide information browsing assistance, ~~amplifying information of the first information page, based at least in part on content of a locator of a first information page requested to be retrieved and displayed, said content of the locator identifying said first information page and a location from which said first information page is to be retrieved, said providing further based on an analyses analysis of the content of the locator of the first information page to determine whether the locator satisfies a locator based condition abstracting a plurality of locators of a plurality of locations having additional information that amplifies the information of the first information page, the information browsing assistance including all or a portion of the additional information; and~~
~~in response, providing said client system with said requested executable instructions.~~

36. (Original) The method of claim 35, wherein said locator is a uniform resource locator (URL).

37. (Previously Presented) The method of claim 35, wherein said executable instructions are designed to perform a selected one of (a) enabling the client system to determine whether the locator based condition for providing information browsing assistance is met, and (b) enabling the client system to provide said locator to a server system for the server system to determine for said client system whether the locator based condition for providing information browsing assistance is met.

38. (Previously Presented) The method of claim 37, wherein said server system is the same server system performing said receiving and said responsive providing.

39. (Currently Amended) The method of claim 35, wherein

 | said locator comprises a uniform resource locator (URL) and said locator based condition is a URL based condition; and

 | said executable instructions are designed to perform a selected one of (a) to enable the client system to determine whether said URL satisfies the URL based condition for providing information browsing assistance, and (b) to enable the client system to provide said URL to a server system for the server system to determine for said client system whether the locator based condition for providing information browsing assistance is met.

40. (Previously Presented) The method of claim 39, wherein

 | said URL based condition comprises a URL pattern abstracting a plurality of URLs of the plurality of locations having information that amplifies the information of the first information page; and

 | either (a) said executable instructions are designed to enable the client system to match said URL against a plurality of URL patterns, or (b) the method further comprises a server system matching said URL against a plurality of URL patterns for said client system.

41. (Previously Presented) The method of claim 40, wherein each URL pattern comprises a plurality of portions correspondingly stored in a plurality of nodes of a tree data structure, with the plurality of nodes having a child leaf node specifying information browsing assistance to be provided; and either (a) said executable instructions are designed to enable the client system to perform said matching by traversing said tree data structure, or (b) the method further comprises a server system performing said matching by traversing said tree data structure for said client system.

42. (Previously presented) The method of claim 35, wherein either (a) said executable instructions are designed to enable the client system to provide said information browsing assistance by displaying a second information page, or (b) the method further comprises a server system providing said information browsing assistance to said client system by causing a second information page to be displayed on said client system.

43. (Original) The method of claim 42, wherein said second information page is displayed in a manner that effectively replaces said first information page.

44. (Original) The method of claim 42, wherein said second information page is additionally displayed in a manner that is complementary to said first information page.

45. (Currently Amended) The method of claim 42, wherein said second information page comprises the abstracted locators and/or the additional information a plurality of locators identifying a plurality of information pages and corresponding locations from which the identified information pages of said second information page are to be retrieved.

46. (Previously Presented) The method of claim 35, wherein either (a) said executable instructions are designed to enable the client system to provide said information browsing assistance by modifying one or more environment attributes of the browsing environment of

said client system, or (b) the method further comprises a server system providing said information browsing assistance to said client system by modifying an environment attribute of the browsing environment of said client system.

47. (Previously Presented) The method of claim 46, wherein said one or more environment attributes comprise one or more of a display resolution attribute, a color resolution attribute, a font selection attribute, a media player preference attribute, an add-on selection attribute, and a plug-in selection attribute.

48. (Previously presented) The method of claim 35, wherein said executable instructions are designed to implement a browser helper including at least a monitor function, designed to receive a notification of a receipt of a request for said first information page, and in response, notifying an analyzer function of receipt of said notification.

49. (Previously Presented) The method of claim 48, wherein either (a) said browser helper further includes said analyzer function to perform said conditional provision of information browsing assistance, in response to receipt of said notification, or (b) the method further includes a server having said analyzer function to perform said conditional provision of information browsing assistance for said client system, in response to receipt of said notification from said client system.

50. (Currently Amended) A server system comprising:

storage medium having stored therein ~~at least a selected one of~~
~~(a)~~ ~~first~~ executable instructions designed to enable a ~~first~~ client system to conditionally provide information browsing assistance ~~to itself amplifying~~ ~~information of a first information page~~, based at least in part on content of a ~~first~~ locator of ~~the a~~ ~~first~~ information page requested to be retrieved and displayed, said provide further based on an ~~analyses~~ ~~analysis~~ of the content of the ~~first~~ locator of the ~~first~~ information page to determine whether the ~~first~~ locator satisfies a ~~first~~ locator based condition abstracting a ~~first~~ plurality of locators of a ~~first~~ plurality of locations

having additional information that amplifies the information of the first information page, the information browsing assistance including all or a portion of the additional information, and

second executable instructions designed to provide the ~~first~~-client system with said first executable instructions in response to a request by the ~~first~~-client system for said first executable instructions, and

(e) third executable instructions designed to enable the server system to conditionally provide information browsing assistance to a second-client system amplifying information of a second information page, based at least in part on content of a second-locator of the second-information-page requested to be retrieved and displayed for said second-client system, said provide further based on an analyses of the content of the second-locator of the second-information-page to determine whether the second-locator satisfies a second-locator-based-condition abstracting a second plurality of locators of a second plurality of locations having information that amplifies the information of the second-information page;

said content of the first and second-locators identifying said first and second information pages, and a first and a second location from which said first and second information pages are to be retrieved respectively; and

at least one processor coupled to the storage medium to execute at least one of said second and third-executable instructions.

51. (Previously Presented) The server system of claim 50, wherein said locator comprises a uniform resource locator (URL).

52. (Currently Amended) The server system of claim 50, wherein
said first executable instructions are designed to (a) enable the ~~first~~-client system to determine whether the ~~first~~-locator based condition for providing information browsing assistance is met, and/or (b) request that the server system determine for said client system whether the locator based condition for providing information browsing assistance is met

.....said third executable instructions are designed to enable the server system to determine for said second client system whether the second locator based condition for providing information browsing assistance is met.

53. (Currently Amended) The server system of claim 50, wherein
said first and second locators comprises a first and a second uniform resource locator (URL), respectively and said first and second locator based conditions are in a first and second URL based condition, respectively.

54. (Currently Amended) The server system of claim 53, wherein
said first and second URL based condition comprises a first and a second URL pattern, respectively;
said first and second URL patterns abstracts a first and second plurality of URLs, respectively, of the first and second plurality of locations having the additional information that amplifies the information of the first and second information page; and
said first executable instructions are designed to enable the first client system to match said first URL against a first plurality of URL patterns or request that the server system match said URL against the plurality of URL patterns; and
.....said third executable instructions are design to enable the server system to match said second URL against a second plurality of URL patterns for said second client system.

55. (Currently Amended) The server system of claim 54, wherein
each URL pattern comprises a plurality of portions correspondingly stored in a plurality of nodes of a tree data structure, with the plurality of nodes having a child leaf node specifying information browsing assistance to be provided; and
said first executable instructions designed to enable the first client system to match said first URL against ~~the~~ first plurality of URL patterns include instructions designed to enable the first client system to traverse ~~a~~ ~~the~~ tree data structure; and
.....said third executable instructions designed to enable the server system match said second URL against a second plurality of URL patterns include instructions designed to

enable the first client system to traverse a second tree data structure for said second client system.

56. (Currently Amended) The server system of claim 50, wherein said first executable instructions designed to enable the ~~first~~-client system to provide said information browsing assistance include instructions designed to enable the ~~first~~-client system to display a second information page; and
-----said third executable instructions designed to enable the server system to provide said information browsing assistance to said client system include instructions designed to enable the server system to cause a second information page to be displayed on said client system.

57. (Currently Amended) The server system of claim 56, wherein said instructions designed to enable the ~~first~~-client system to display a second information page include instructions designed to enable the ~~first~~-client system to display said second information page in a manner that effectively replaces said first information page.

58. (Currently Amended) The server system of claim 56, wherein said instructions designed to enable the ~~first~~-client system to display a second information page include instructions designed to enable the ~~first~~-client system to additionally display said second page in a manner that is complementary to said first information page.

59. (Currently Amended) The server system of claim 56, wherein said second information page comprises ~~the abstracted locators and/or the additional information-a plurality of locators identifying a plurality of information pages and corresponding locations from which the identified information pages of said second information page are to be retrieved.~~

60. (Currently Amended) The server system of claim 50, wherein said first executable instructions designed to ~~(a)~~ enable the ~~first~~-client system to provide said information browsing assistance include instructions designed to enable the ~~first~~

client system to modify at least an ~~first~~-environment attribute of the browsing environment of said ~~first~~-client system or (b) request that, and

~~-----said third executable instructions designed to enable the server system to provide said information browsing assistance to said client system include instructions designed to enable the ~~first~~-client system to modify at least a ~~second~~~~the~~ environment attribute of the browsing environment of said ~~second~~-client system.~~

61. (Currently Amended) The server system of claim 60, wherein each of said ~~at least~~ ~~first~~ and ~~second~~-environment attributes comprises one or more of a display resolution attribute, a color resolution attribute, a font selection attribute, a media player preference attribute, an add-on selection attribute, and a plug-in selection attribute.

62. (Previously Presented) The server system of claim 50 wherein said first executable instructions are designed to implement a browser helper including at least a monitor function designed to receive a notification of a receipt of a request for said first information page, and in response, notifying an analyzer function of receipt of said notification.

63. (Original) The server system of claim 62, wherein said browser helper further includes said analyzer function to perform said conditional provision of information browsing assistance, in response to receipt of said notification.

64. (Currently Amended) An article of manufacture computer readable medium comprising:

a computer readable medium; and

~~a plurality of executable instruction stored in the computer readable medium, and designed to enable a client system to conditionally provide information browsing assistance to itself amplifying information of a first information page, based at least in part on content of a first locator of the ~~an~~ first information page requested to be retrieved and displayed on the client system, said provide further based on an analyses analysis of the content of the first locator of the first information page to determine whether the first locator satisfies a first~~

locator based condition abstracting a first plurality of locators of a first plurality of locations having additional information that amplifies ~~the~~ information of the ~~first~~ information page, ~~the~~ information browsing assistance including all or a portion of the additional information.

65. (Currently Amended) A computer readable medium comprising:

a computer readable medium; and
at least a first or a second plurality of executable instructions stored in the computer readable medium,

the first executable instructions designed to enable a first server system to provide a first client system with third executable instructions in response to a request by the first client system for said third executable instructions, the third executable instructions designed to enable the first client system to conditionally provide information browsing assistance to itself amplifying information of a first information page, based at least in part on content of a first locator of ~~the~~ a first information page requested to be retrieved and displayed on the first client system, said provide further based on an analyses analysis of the content of the first locator of the first information page to determine whether the first locator satisfies a first locator based condition abstracting a first plurality of locators of a first plurality of locations having first additional information that amplifies ~~the~~ information of the first information page, ~~the~~ information browsing assistance including all or a portion of the first additional information, and

the second executable instructions designed to enable the first or a second server system to conditionally provide information browsing assistance to a second client system amplifying information of a second information page, based at least in part on content of a second locator of the second information page requested to be retrieved and displayed for said second client system, said provide further based on an analyses analysis of the content of the second locator of the second information page to determine whether the second locator satisfies a second locator based condition abstracting a second plurality of locators of a second plurality of locations having second additional information that amplifies ~~the~~ information of the second information page, ~~the~~ information browsing assistance including all or a portion of the second additional information; said content of the first and second

locators identifying said first and second information pages, and a first and a second location from which said first and second information pages are to be retrieved respectively.